

AMENDMENTS TO THE CLAIMS

1-2. (Canceled)

3. (Currently Amended) A steam cooking apparatus, comprising:

a heating chamber in which food is placed;

a steam generating heater that generates steam to be fed to the heating chamber, the steam generating heater comprising a plurality of heaters or a single heater;

a vapor heating heater that heats the steam to produce superheated steam where the superheated steam is fed to the heating chamber, the vapor heating heater comprising a plurality of heaters or a single heater; and

a control device that switches amounts of generated heat by either feeding electric power to one of the steam generating heater and the vapor heating heater or feeding electric power to both of the steam generating heater and the vapor heating heater,

wherein

the control device generates the superheated steam of different temperatures by either

controlling the feeding of electric power so that the vapor heating heater generates a larger amount of heat than the steam generating heater while the steam generating heater is generating heat or

controlling the feeding of electric power so that the steam generating heater generates a larger amount of heat than the vapor heating heater while the vapor heating heater is generating heat,

the steam generating heater comprises a main steam generating heater and a sub steam generating heater,

the vapor heating heater comprises a main vapor heating heater and a sub vapor heating heater, and

the control device feeds electric power to one of, or to a combination of, the main steam generating heater, the sub steam generating heater, the main vapor heating heater, and the sub vapor heating heater,

the control device forms a cooking sequence out of one of, or out of a combination of both of,

a first heating mode in which electric power is fed to both the steam generating heater and the vapor heating heater so that the steam generated by the steam generating heater is heated by the vapor heating heater, so that the food is heated by the superheated steam, and

a second heating mode in which the food is heated by a hot air or radiation heat obtained by feeding electric power to the vapor heating heater,

in the first heating mode, either the electric power consumption $G1$ by the main steam generating heater, the electric power consumption $G2$ by the sub steam generating heater, and the electric power consumption $H2$ by the sub vapor heating heater fulfill $G1 > G2$ and in addition $G1 > H1 + H2$, or the electric power consumption $G2$ by the sub steam generating heater and the electric power consumption $H1$ by the main vapor heating fulfill $G2 < H1$, and

in the second heating mode, the electric power consumption $H1$ by the main vapor heating heater and the electric power consumption $H2$ by the sub vapor heating heater fulfill $H1 > H2$.

4-16. (Canceled)